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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT

STAT

COUNTRY USSR

SUBJECT Scientific Research

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DATE DISTR. 14 June 1948

NO. OF PAGES 1

PLACE
ACQUIRED USSRDATE OF
INFORMATION 1945

UNCLASSIFIED

JAN 27 1955

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NO. OF ENCLS.
(LISTED BELOW)SUPPLEMENT TO
REPORT NO.

STAT

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USE OF TRAINED INTELLIGENCE ANALYSTS

SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE MICROBIOLOGICAL
LABORATORY, LENINGRAD STATE UNIVERSITY, USSR

"Effect of Ethyl Alcohol on Oxidation of Sorbitol
to Sorbose in Synthesis of Ascorbic Acid," Z. G.
Kasumovskaya, L. N. Balin'kaya, Microbiol Lab,
Leningrad State U

"Mikrobiologiya" Vol 14, No 1, 1945, pp 50-6

Addition of alcohol in amounts of 0.2-1.0% to
Acetobacter malanogenum, cultured on yeast water
and sorbitol, reduces the yield of sorbose. Al-
cohol and sorbitol are oxidized simultaneously to
AcOH. But while unutilized alcohol is present, the
oxidation of sorbitol is retarded. AcOH (0.3-0.5%)
added to the culture instead of alcohol has the
same effect. To prevent this retardation in indus-
trial conditions, it is advisable to sterilize the
cuvettes with steam and not with alcohol. The
sorbitol preparation used should be entirely alcohol-
free and well dried.

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